

## ABSTRACT

During reproduction of a multilayer recording medium including three or more information layers, a light beam is irradiated onto a target information layer. A reflected light from the information layer is mainly detected to generate an information signal RF1, while reflected lights from the other information layers than the target layer are detected to generate an information signal RF2. The signal RF2 is amplified by a gain which is adjusted based on a predetermined cross talk information. A difference between the information signal RF1 and the amplified cross talk signal RF2 is obtained to cancel a component of the cross talk signal in the information signal RF1 and generate a reproduction signal RF3 indicating information recorded in the target information layer to be reproduced.

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